

MONTHLY REPORT

TECHNICAL SERVICES BRANCH

ENGINEERING STAFF

1 November - 30 November 1964

1. The biggest item on the agenda for this month, and the one thing that consumed most of our time, was the fabrication of the [REDACTED] stations to be installed in the "Iron Curtain" countries. The estimated time for completion of this project is 7 December 1964. To date for both the Radio and Teletype portion, 1216 hours were expended on this project.

25X9A2

2. Two hundred and thirty-two RR-390/URR Receivers were processed this month. One hundred and fifteen units were accepted, and one hundred and seventeen units were rejected for bandwidth, mechanical, and electrical problems. Forty of these rejected receivers were repaired to date, and the remaining seventy-seven receivers will be repaired in the T&I Shop.

3. Two Wire Equipment Technicians entered on duty this month, four technicians returned from PCS assignments, and three have departed for PCS assignments. Eight technicians were on domestic TDY during the month, and three technicians were on foreign TDY (Africa). Twenty technicians were in various stages of electronic or wire training during the month.

25X1A9a

[REDACTED]
Chief, Technical
Services Branch, OC-E

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LANGLEY TECHNICAL SECTION

1. General

Twelve Wire Equipment Technicians and two Electronic Technicians will be in various phases of training during this reporting period.

Wire Unit

1. General

- a. No major problems have occurred during this reporting period.
- b. With the exception of modernizing the USIB and CIA broadcast positions, the revamping of the Special Signal Center is complete.
- c. Responded to two TDY maintenance requirements to the Contacts Office
25X1A8a [REDACTED]
- d. We experienced some trouble with the 200KW generator during this reporting period, a bad reverse power relay, however all the troubles have been corrected and the generator is now operating satisfactorily.

2. New Circuits Activated

- a. KW-26 circuit from the Watch Office (Headquarters, Room 7F36) to the National Military Command (Pentagon).
- b. KW-26 circuit from the Main Signal Center (Headquarters) to [REDACTED]
25X1A6a [REDACTED].

25X1A6b

3. Main Signal Center

- a. Preventative maintenance and servicing of the equipment is on schedule.
- b. Troubles reported and corrected in the Washington Area this month are as follows:

25X1A2d1 (1) Main Signal Center - 312
(2) [REDACTED] - 14
(3) Outside Area - 10

TOTAL: 336

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CRYSTAL UNIT

	<u>Requisitions</u>	<u>Units</u>
New Orders	47	3754
Orders Completed	57	6202
Partials Completed	6	341
Backlog	31	3600

ENGINEERING UNIT

Equipment Standardization

1. Several days were spent researching ground resistance test sets, FM Generators, and several new pieces of test equipment for FTS use.
2. The remainder of this month Mr. [REDACTED] the supervisor of the T&I Unit. Mr. [REDACTED] was on extended TDY.

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Test Procedures

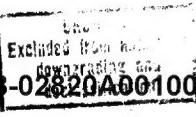
1. The RR-48A, RR/A-48, RT-48, CO-8, KE-8, CA-3, RS-515, KEL T-2, and KEL R-2 test procedures were forwarded for publication.
2. The DR-1 Digital Display Unit and the RSSB-62-1B Receiver Adaptor test procedures were submitted for review.

25X1A6a

DEPOT

1. There were one hundred and twenty-one receiving vouchers consisting of two hundred and eighteen line items, 2,776 pieces, and costing \$511,282.54.
 2. There were four requisitions consisting of four line items, three hundred and twenty-eight pieces, and costing \$2,004.60.
 3. The HW-19 at [REDACTED] Newport Beach, was serviced on 23 November and 15 December 1964.
- 25X1A5a1
4. The HW-19 at [REDACTED] (Project [REDACTED]) was serviced on 30 November 1964.
- 25X1A2g

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CALIBRATION UNIT

25X1A9a [REDACTED] the Calibration Technician, processed sixty-two pieces of test equipment during this reporting period. All equipment was returned to service, and only minor repairs or adjustments were required.

MECHANICAL UNIT

1. Two acoustic covers were fabricated for the M-28 ASR.
2. The new "ACE" screen room installation was completed this month, and the old screen room was removed and discarded.

POWER UNIT

- 25X1A9a 1. [REDACTED] spent a week preparing for the Shop Practices Course, and a week instructing the course at the [REDACTED]
2. Routine generator support was provided for the remainder of this reporting period.

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TSB SUPPLY

1. Expenditures:

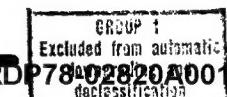
A total of \$261,339.64 has been expended for the FY 1965.

2. Field Requests:

A total of 23 field requests consisting of 238 line items were processed.

3. A KW-26 DCRP parts list is being prepared to meet an NSA request for Final Procurement by May 1965.

- 25X1A9a 4. [REDACTED] resigned as of 4 December 1964.



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LANGLEY TECHNICAL SECTION

Wire Unit

1. General

- a. Seven Wire Equipment Technicians have begun the CREI Electronic Course which is being conducted in the Main Signal Center's Training Room. The hours are from 1300 to 1700 daily.
- b. Four Wire Equipment Technicians are receiving KG-13 training at Lackland Air Force Base, San Antonio, Texas.

2. Main Signal Center

- a. Four KW-26 racks have been modified to house three equipments to a rack. This configuration has proven to be operationally feasible and all units are operating at normal temperatures.
- b. Four KSR printers in the Washington Terminal Section have been modified for vertical tabulation. The modification eases the handling of Cable Secretariat traffic.
- c. Preventative maintenance is behind schedule due to the Sonic Cleaner being inoperative. We are still waiting for the necessary parts to repair the unit.
- d. Troubles reported and corrected in the Washington Area this month are as follows:

(1) Main Signal Center	- 592
(2) Outside Area	- 12
(3) [REDACTED] - 6th Floor	- 16

- e. An air conditioning survey is being conducted by GSA personnel to increase the present system in the KW-26 area from 15 tons to approximately 25 tons.

Electronic Unit

1. DCI/SO Very-High-Frequency Net

- a. There were no VHF troubles reported this month.

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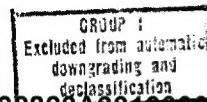
- b. Routine maintenance of all vehicles and repeater stations are up to date.
- 2. Ciphony
 - a. There were a total of seven KY-1 trouble calls received and corrected this month.
 - b. One KY-5 trouble reported and corrected.
- 3. Microwave
 - 25X1A a. One microwave trouble was reported and corrected. Station [REDACTED] lost their tones from Station [REDACTED] due to a faulty subcarrier receiver.
 - b. After many delays, the key lines from Langley to the State Department have been completed and tested.
 - c. Routine maintenance of the microwave system is up to date.

OVERTIME

A total of two hundred and twenty-three hours was accrued during this reporting period.

HOLIDAY TIME

A total of twenty-four hours was accrued during this reporting period.



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